

SIO Shipyard Representative Bi-Weekly Progress Report		
Project: AGOR 28	Contract No.: N00014-12-C-0305	Shipyard: Dakota Creek Industries
Prepared by: Paul D. Bueren Scripps Institution of Oceanography (SIO) 297 Rosecrans St. San Diego, CA 98106	Date: January 16, 2015	Program Officer: Robert (Tim) Schnoor Office of Naval Research 875 Randolph St ONR 321 Arlington, VA 22203-1995
Distribution Statement A: Approved for public release; distribution unlimited.		Report No. A002.070

1. Meetings:

- i. Participated in weekly conference calls.
- ii. Allied Portable Crane FAT at Sherwood, OR
- iii. Design Review at Anacortes

2. The following Shipyard Question Submittals were reviewed and commented on:

No questions this reporting period.

3. Logistics:

- i. Continuing to review Vendor Recommended Spares (VRS).
- ii. Continuing to review Technical Manuals and Supplemental Information.
- iii. Continuing to work on initial outfitting lists for Sally Ride.
- iv. Working on NS5 Hierarchy

4. Operator Concerns:

- SSHD Controls – Drawings and manual indicate that operators will not have control of the SSHD from the Aft Control Station. Scott deMirs of Systems Interface informs that operators will be able to switch between handling systems at the local control station. Currently waiting for onsite testing and commissioning of this equipment on Armstrong to verify.
- Sally Ride Portable Crane FAT Delay – The FAT for this crane has been put on hold. No specific reason was given for delay. DCI has asked Allied for an update on when the FAT will occur. The FAT was scheduled and occurred on January 9th. The delay was reportedly for the trouble shooting and repair of a noisy hydraulic cylinder.
- Sally Ride Pilot House & MCS Consoles Delivery Delay– Consoles have been delivered and located in the Pilot House & MCS.
- Main Deck Vent Closures – Waiting to see how this is resolved by DCI & GPA. Currently the covers have been fabricated and bolted in place without gaskets. No arrangements for stowing the covers close to the vents is apparent. It is still not clear how DCI will meet the requirements.
- Load Shedding – A conference call was held to allow the government and operators to question Siemens about load shedding. The Power Management System software can be configured to provide load shedding, however the shunt trips and cabling would have to be installed to make it operational. Work is ongoing to identify likely circuits for load shedding. These include the two Chiller units and the two 100-kw chill water heaters for HVAC winter operation.

Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE 16 JAN 2015		2. REPORT TYPE		3. DATES COVERED 00-00-2015 to 00-00-2015	
4. TITLE AND SUBTITLE AGOR 28				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Scripps Institution of Oceanography (SIO), 297 Rosecrans St., San Diego, CA, 98106				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 10	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

- Main Crane Towing & Coring Crutch – The crutch assembly being provided by Allied Systems needs to be demonstrated to prove that it can be used in a safe and practical way.

Two Set of Crutch Legs for both Armstrong and Ride



Crutch Feet



Crutch Turnbuckle



- Portable Crane Crutch – During the recent FAT, the portable crane crutch was deployed while the crane was mounted on the test bed. Three persons were able complete the deployment in about 15-minuts. As the crane is currently positioned on Armstrong, deployment of the crutch may be hindered by the bulwark.



- Intermediate Shaft Bearings – Previously, LAMALO was on site to check the shaft loading on both vessels. For Ride, the starboard shaft was checked and found to be good. The port shaft was found to have a slightly elevated side loading after the initial check. The PCU was moved about 10/1000 to reduce this. As second check was made with shaft loading found to be good. For the test 6-each strain gauges were spot welded to the shaft; three between the stern tube seal and the PCU, and three between the PCU and propulsion motor coupling. Recently, LAMALO has provided a test report documenting the results for both of Rides shafts. The measured results were found to be within the expected range.



- Tuff-Mass MLV and Acoustic Tiles - Awaiting resolution of smoke and flammability issues. Acoustic Tiles have recently been laid in the Traction Winch Room on Armstrong despite ongoing reg body issues. These tiles are going to make housekeeping in this space difficult, but not impossible. On 16 December, DCI was notified by OCMI that further installation of MLV on Sally Ride is prohibited. 30% of the MLV has been installed on Ride at this time. Presently DCI is looking for an alternative solution or product to meet the specifications. No additional MLV has been added since this became an issue.

Mass Loaded Vinyl in Eng Space Overhead – Sally Ride



MLV EDG Space –Sally Ride



MLV HVAC Room Foc'sle Deck – Partial installation only in area where machinery has been placed. Most of the overhead and bulkheads have no treatment as yet. The fwd bulkhead has no insulation or sound treatment. The inboard bulkhead has only partial sound treatment.



Inboard Bulkhead



FWD Bulkhead



- Side & CTD Handling Systems – Unresolved issues with fairlead interferences from TK70-70 main crane remain. No changes since last reported. DCI is using Sally Ride's aft fairlead foundation to test various new locations on Armstrong. Ride's foundation was not permanently fixed so this is acceptable. The foundation was moved laterally to a position just inboard of the crane's boom and raised approximately 8-inches. This will allow the wire from the aft winch to pass aft of the cranes snout. It also appears that the forward winch will also be able to utilize this

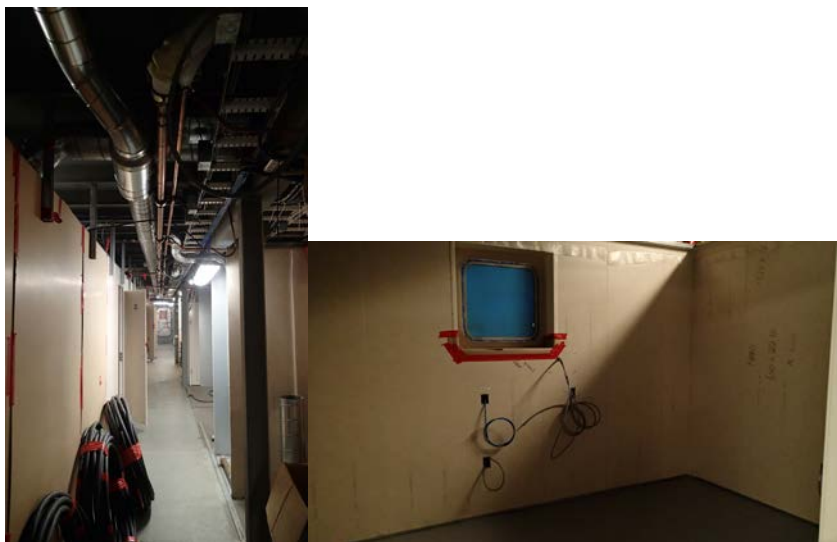
change in configuration. No permanent changes should be made until both winches and handling devices are operational. For the fwd winch and CTD handling device, issues still remain in regards to possible interference with the crane's winch and crutch. These can best be verified once the winches and handling systems are operational. No movement on these issues since last report.



5. Sally Ride Progress:

- Sally Ride Electrical – Work continues at a good pace. The yard is making connections to the 480-vac Switchboards, the Propulsion Drives and MCC's. Circuit panels and transformers are being located and connections are being made.
- Accommodation Spaces – A majority of the paneling and doors are in place on the Foc'sle deck. State room decks are primed and some ceiling hangers are going in. On the 01 Deck, panel installation is ongoing.

Foc'sle Deck



- Piping Systems – The FW Cooling system piping is nearing completion in the engine space. The hydraulic piping to the deck machinery has yet to be started.



- Pilot House – Consoles have been placed in the space. Paneling and ducting has been staged for installation. Windshield wiper piping and cabling has been installed.



- Trawl Winch Space – Delta T is going on in preparation for eventual installation of the traction and stowage winches. Foundations are painted.



6. Call-outs:

- Pressure tested the Start Air System piping with ABS in attendance. No issues to report.

7. The following DRL's were reviewed and commented on:

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A024	STD Report - REGULATORY BODY CORRESPONDENCE (DCI/USCG Damping Tile & Barium Loaded Sulfate (new submittal))(R/ASR)	153/0
AGOR27	A031-04	STD Report - TEST REPORT (243-001-2 PROPULSION SHAFTING ALIGNMENT (new bearings))(R/ASR)	38/1
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72111-05 NR Viega Bottle Odor Trap)(R/ASR)	1332/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72209-07 NR Acorn ADA Sink)(R/ASR)	1334/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72209-08 NR Acorn Deck Gear Locker Sinks)(R/ASR)	1336/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 720919-01 NR McMaster-Carr Scullery Sink Drain Assy)(R/ASR)	1338/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 720935-01 NR McMaster-Carr Wire Rope Festoon Kit)(R/ASR)	1340/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 720954-01 NR Chicago Faucets ADA Head Faucet)(R/ASR)	1342/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#544 DI-055 (TM) for 528a Viega Articl 102 555 Bottle Odor Trap (European P-Trap))(R/ASR)	1081/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#545 DI-055 (TM) for McMaster-Carr Wire Rope Festoon Kit)(R/ASR)	1083/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#546 DI-055 (TM) for 528a McMaster-Carr Scullery Pre-Rinse Sink Drain Assembly)(R/ASR)	1085/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#547 DI-055 (TM) for 644 Acorn ADA Sink)(R/ASR)	1087/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#549 DI-055 (TM) for 644 Acorn Deck Gear Locker Sinks)(R/ASR)	1089/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (DI-055 (TM) for 644 Chicago Faucet ADA Head Faucet)(R/ASR)	1093/0

AGOR27	A059	STD Report - STUDENT GUIDES (DI-059 Student Guides for Allied Systems (1 Letter and 3 Student Guides))(DARC REV)	14/1
AGOR27	A059	STD Report - STUDENT GUIDES (#10 DI-059 (Student Guides) for Allied Systems Stbd Side Handling System (SSHS))(DARC REV)	18/1
AGOR27	A059	STD Report - STUDENT GUIDES (DI-059 (Student Guides) for Allied CTD Handling Equipment)(DARC REV)	22/1
AGOR28	A031-04	STD Report - TEST REPORT (243-001-2 Propulsion Shafting Alignment)(R/ASR)	15/0